

ABSTRACT

The present invention provides a color image processing device and a color image processing method which is In order to perform natural and excellent sharpness processing to image data, the color image processing device of invention comprises: a color space converter (1) for converting image signals (RGB) to luminance signals (L), first chromaticity signals (C1) and second chromaticity signals (C2); a 5 luminance signal correcting unit for correcting the luminance signal (L) of a target pixel based on an average luminance signal (L_A) obtained from the luminance signals of the target pixel and predetermined pixels surrounding the target pixel and the saturation signal (S) of the target pixel; a 10 chromaticity signal correcting unit for correcting the first chromaticity signal (C1) and the second chromaticity signal (C2) of the target pixel based on the first and second average chromaticity signals ($C1_A$, $C2_A$) obtained from the chromaticity signals of the target pixel and the 15 predetermined pixels surrounding the target pixel, the saturation signal (S) of the target pixel, the average saturation signal (S_A) obtained from the saturation signals of the target pixel and the predetermined pixels surrounding the target pixel, and a hue difference signal (DC); and a 20 color space inverter (15) for inverting the corrected luminance signal (L'), the corrected first chromaticity signal (C1') and the corrected second chromaticity signal (C2') of the target pixel to image signals (R'G'B'). 25